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(54) Title: TELECOMMUNICATIONS SYSTEMS

(57) Abstract: A reference frequency generator circuit for a radio frequency transmit and receive apparatus comprises: a first voltage controlled oscillator which is operable to produce a first reference frequency signal, a second voltage controlled oscillator which is operable to produce a second reference frequency signal, a switchable set of dividers, connected to receive the first and second reference frequency signals, and operable to produce a set of output reference frequency signals therefrom, a first subset of the set of output reference frequencies being derived from the first reference frequency, and a second subset of the set of output reference frequencies being derived from the second reference frequency, wherein the first and second reference frequency signals are not equal in frequency to the output reference frequency signals in the set of output reference frequency signals.



WO 2005/071840 A2